

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 38

Complete if Known

Application Number	10/687,850
Filing Date	October 17, 2003
First Named Inventor	David W. Burke
Group Art Unit	3736
Examiner Name	
Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS					
Examiner Initials ^a	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AW		3,526,480	09/01/1970	Findl et al.	
		3,551,295	12/29/1970	Dyer	
		3,621,381	11/16/1971	Eckfeldt	
		3,715,192	02/06/1973	Wenz et al.	
		3,720,093	03/13/1973	Gill	
		3,763,422	10/02/1973	MacPhee et al.	
		3,770,607	11/06/1973	Williams	
		3,776,832	12/04/1973	Oswin et al.	
		3,838,033	09/24/1974	Mindt et al.	
		3,902,970	09/02/1975	Levin	
		3,919,627	11/11/1975	Allen	
		3,925,183	12/09/1975	Oswin et al.	
		3,937,615	02/10/1976	Clack et al.	
		3,980,437	09/14/1976	Kishimoto et al.	
		4,005,002	01/25/1977	Racine et al.	
		4,008,448	02/15/1977	Muggli	
		4,040,908	08/09/1977	Clark, Jr.	
AW		4,053,381	10/11/1977	Hamblen et al.	

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AW		AU 737 787	08/30/2001	Batman et al.		
		DE 36 43 263	07/07/1988	Hommel Host		
		DE 40 11 428 A1	11/29/1990	Kühn et al.		
		DE 298 14 997 U1	08/03/1993	LRE		
		DE 199 36 693	02/08/2001	LRE		
		EP 0 010 456	04/30/1980	Columbus		
		EP 0 034 049	08/19/1981	Columbus		
AW		EP 0 057 110	08/04/1982	Columbus		

Examiner Signature	/Allison Watts/	Date Considered	11/02/2006
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EXAMINER: Initial is reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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AW		4,065,263	12/27/1977	Woodbridge, III	
		4,086,631	04/25/1978	Vick	
		4,123,701	10/31/1978	Josefsen et al.	
		4,127,448	11/28/1978	Schick et al.	
		4,184,936	01/22/1980	Paul et al.	
		4,214,968	07/29/1980	Battaglia et al.	
		4,217,196	08/12/1980	Huch	
		4,224,125	09/23/1980	Nakamura et al.	
		4,225,410	09/30/1980	Pace	
		4,230,537	10/28/1980	Delente et al.	
		4,233,029	11/11/1980	Columbus	
		4,260,680	04/07/1981	Muramatsu et al.	
		4,263,343	04/21/1981	Kim	
		4,265,250	05/05/1981	Parker	
		4,273,134	06/16/1981	Ricciardelli	
		4,273,639	06/16/1981	Gottermeier	
		4,297,569	10/27/1981	Flies	
AW		4,301,412	11/17/1981	Hill et al.	

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AW		EP 0 073 056 A2	03/02/1983	Van		
		EP 0 084 874 A1	08/03/1983	Kleewetter		
		EP 0 101 880	03/07/1984	Preidel et al.		
		EP 0 127 958 B2	04/10/1996	Higgins et al.		
		EP 0 132 790 A2	02/13/1985	Kasielke et al.		
		EP 0 164 180	12/11/1985	Blake et al.		
		EP 0 171 148	02/12/1986	Shanks et al.		
AW		EP 0 171 239	02/12/1986	Ikeda et al.		

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AW		4,303,887	12/01/1981	Hill et al.	
		4,323,536	04/06/1982	Columbus	
		4,329,642	05/11/1982	Luthi et al.	
		4,366,033	12/28/1982	Richter et al.	
		4,407,290	10/04/1983	Wilber	
		4,407,959	10/04/1983	Tsuji et al.	
		4,413,407	11/08/1983	Columbus	
		4,413,628	11/08/1983	Tamulis	
		4,420,564	12/13/1983	Tsuji et al.	
		4,431,004	02/14/1984	Bessman et al.	
		4,436,094	03/13/1984	Cerami	
		4,440,175	04/03/1984	Wilkins	
		4,476,149	10/04/1984	Poppe et al.	
		4,477,314	10/16/1984	Richter et al.	
		4,477,575	10/16/1984	Vogel et al.	
		4,499,423	02/12/1985	Matthiessen	
		4,510,383	04/09/1985	Ruppender	
AW		4,517,291	05/14/1985	Seago	

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AW		EP 0 186 286	07/02/1986	Nylander et al.		
		EP 0 206 218 B1	06/03/1991	Wogoman		
		EP 0 213 343 B2	02/01/1995	Young et al.		
		EP 0 230 472 B2	12/13/2000	Nankai et al.		
		EP 0 241 309 A2	10/14/1987	Walton et al.		
		EP 0 244 326 B1	08/18/1993	Colin et al.		
		EP 0 255 291 B1	06/24/1992	Birch et al.		
AW		EP 0 287 883	10/26/1988	Blatt		

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			Group Art Unit	3736	
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Sheet	4	of	38	Attorney Docket Number	7404-558

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		Number-Kind Code ² (if known)			
AW		4,545,382	10/08/1985	Higgins et al.	
		4,547,735	10/15/1985	Kiesewetter et al.	
		4,552,458	11/12/1985	Lowne	
		4,571,292	02/18/1986	Liu et al.	
		4,578,716	03/25/1986	van Rijckevorsel et al.	
		4,592,893	06/03/1986	Poppe et al.	
		4,628,193	12/09/1986	Blum	
		4,642,295	02/10/1987	Baker	
		4,648,665	03/10/1987	Davis et al.	
		4,652,830	03/24/1987	Brown	
		4,654,197	03/31/1987	Lilja et al.	
		4,671,288	06/09/1987	Gough	
		4,676,653	06/30/1987	Strohmeier et al.	
		4,679,562	07/14/1987	Luksha	
		4,682,602	07/28/1987	Prohaska	
		4,686,479	08/11/1987	Young et al.	
		4,703,017	10/27/1987	Campbell et al.	
AW		4,703,756	11/03/1987	Gough et al.	

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AW		EP 0 359 831	03/28/1990	Nankai et al.		
		EP 0 383 322 B1	02/05/1997	Seshimoto et al.		
		EP 0 417 796 B1	11/23/1994	Ishihara et al.		
		EP 0 470 649 B1	06/02/1999	Unilever et al.		
		EP 0 471 986 A2	02/26/1992	Nankai et al.		
		EP 0 471 986 A3	04/29/1992	Nankai et al.		
		EP 0 471 986 B1	10/18/1995	Nankai et al.		
AW		EP 0 537 761 A3	02/02/1994	Yoshioka et al.		

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AW		4,711,245	12/08/1987	Higgins et al.	
		4,713,347	12/15/1987	Mitchell et al.	
		4,714,874	12/22/1987	Morris et al.	
		4,731,726	03/15/1988	Allen, III	
		4,734,184	03/29/1988	Burleigh et al.	
		4,750,496	06/14/1988	Reinhart et al.	
		4,759,828	07/26/1988	Young et al.	
		4,789,804	12/06/1988	Karube et al.	
		4,795,542	01/03/1989	Ross et al.	
		4,797,256	01/10/1989	Watlington, IV	
		4,805,624	02/21/1989	Yao et al.	
		4,806,311	02/21/1989	Greenquist	
		4,806,312	02/21/1989	Greenquist	
		4,810,203	03/07/1989	Komatsu	
		4,816,224	03/28/1989	Vogel et al.	
		4,820,399	04/11/1989	Senda et al.	
		4,820,636	04/11/1989	Hill et al.	
AW		4,832,814	05/23/1989	Root	

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AW		EP 0 537 761 B1	08/27/1997	Yoshioka et al.		
		EP 0 546 536	06/16/1993	Yenoyama et al.		
		EP 0 636 880 A2	02/01/1995	Nankai et al.		
		EP 0 640 832	03/01/1995	Hughes Aircraft		
		EP 0 651 250 A2	05/03/1995	Hyodo et al.		
		EP 0 732 406 A1	09/18/1996	Ikeda et al.		
		EP 0 732 590 A2	09/18/1996	Charlton et al.		
AW		EP 0 741 186 B1	10/17/2001	Genshaw et al.		

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AW		4,834,234	05/30/1989	Sacherer et al.	
		4,849,330	07/18/1989	Humphries et al.	
		4,865,873	09/12/1989	Cole, Jr. et al.	
		4,877,580	10/31/1989	Aronowitz et al.	
		4,897,162	01/30/1990	Lewandowski et al.	
		4,897,173	01/30/1990	Nankai et al.	
		4,919,770	04/24/1990	Preidel et al.	
		4,927,516	05/22/1990	Yamaguchi et al.	
		4,935,105	06/19/1990	Churchouse	
		4,935,106	06/19/1990	Liston et al.	
		4,935,346	06/19/1990	Phillips et al.	
		4,938,860	07/03/1990	Wogoman	
		4,940,945	07/10/1990	Littlejohn et al.	
		4,954,087	09/04/1990	Lauks et al.	
		4,956,275	09/11/1990	Zuk et al.	
		4,963,814	10/16/1990	Parks	
		4,970,145	11/13/1990	Bennetto et al.	
AW		4,975,647	12/04/1990	Downer et al.	

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AW		EP 0 837 320 A3	12/30/1998	Howard, III		
		EP 0 840 122 A2	05/06/1998	Charlton et al.		
		EP 0 851 224	07/01/1998	Ikeda et al.		
		EP 0 859 230	08/19/1998	Setford		
		EP 0 876 506	07/09/2003	Henning et al.		
		EP 0 878 713	11/18/1998	Bayer AG		
		EP 0 887 421 A1	12/30/1998	Matzinger et al.		
AW		EP 0 894 509 A2	02/03/1999	Herman		

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		4,999,582	03/12/1991	Parks et al.	
		4,999,632	03/12/1991	Parks	
		5,018,164	05/21/1991	Brewer et al.	
		5,019,974	05/28/1991	Beckers	
		5,035,862	07/30/1991	Dietze et al.	
		5,039,618	08/13/1991	Stone	
		5,049,487	09/17/1991	Phillips et al.	
		5,053,199	10/01/1991	Keiser et al.	
		5,059,394	10/22/1991	Phillips et al.	
		5,066,372	11/19/1991	Weetall	
		5,075,077	12/24/1991	Durley, III et al.	
		5,096,669	03/17/1992	Lauks et al.	
		5,108,564	04/28/1992	Szuminsky et al.	
		5,112,758	05/12/1992	Fellman et al.	
		5,118,183	06/02/1992	Cargill et al.	
		5,120,420	06/09/1992	Nankai et al.	
AW		5,122,244	06/16/1992	Hoenes et al.	

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AW		EP 0 942 278 A2	09/15/1999	Kim et al.		
		EP 0 958 495	11/13/2002	Heller et al.		
		EP 0 964 059	12/15/1999	Ikeda et al.		
		EP 0 987 544	03/22/2000	Ikeda et al.		
		EP 1 009 850 B1	03/05/2003	Hughes et al.		
		EP 1 024 358 A1	08/02/2000	Kawanaka et al.		
		EP 1 035 216 A1	09/13/2000	Sang et al.		
AW		EP 1 067 384 A2	01/10/2001	Ohara et al.		

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			Application Number	10/687,850	
			Filing Date	October 17, 2003	
			First Named Inventor	David W. Burke	
			Group Art Unit	3736	
			Examiner Name		
Sheet	8	of	38	Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS					
Examiner Initials ^a	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AW		5,126,952	06/30/1992	Kildal-Brandt et al.	
		5,128,015	07/07/1992	Szuminsky et al.	
		5,141,850	08/25/1992	Cole et al.	
		5,141,868	08/25/1992	Shanks et al.	
		5,143,694	09/01/1992	Schafer et al.	
		5,179,005	01/12/1993	Phillips et al.	
		5,179,288	01/12/1993	Miffitt et al.	
		5,182,707	01/26/1993	Cooper et al.	
		5,187,100	02/16/1993	Matzinger et al.	
		5,192,415	03/09/1993	Yoshioka et al.	
		5,220,920	06/22/1993	Gharib	
		5,232,516	08/03/1993	Hed	
		5,232,668	08/03/1993	Grant et al.	
		5,234,813	08/10/1993	McGeehan et al.	
		5,243,516	09/07/1993	White	
		5,246,858	09/21/1993	Arbuckle et al.	
		5,250,439	10/05/1993	Musho et al.	
		5,264,103	11/23/1993	Yoshioka et al.	
AW		5,266,179	11/30/1993	Nankai et al.	

Examiner Initials ^a	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
AW		EP 1 074 832 A1	02/07/2001	Musho et al.		
		EP 1 081 490 A1	03/07/2001	Iketaki et al.		
		EP 1 102 991 B1	11/13/2002	Wong et al.		
		EP 1 119 637	03/24/2004	Feldman et al.		
		EP 1 129 211 B1	07/09/2003	Yon Hin et al.		
		EP 1 130 390 A1	09/05/2001	Tsuji et al.		
AW		EP 1 143 245	10/10/2001	Roche		

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AW		5,269,891	12/14/1993	Colin	
		5,279,294	01/18/1994	Anderson et al.	
		5,281,395	01/25/1994	Markart et al.	
		5,284,770	02/08/1994	Adrian et al.	
		5,286,362	02/15/1994	Hoenes et al.	
		5,288,636	02/22/1994	Pollmann et al.	
		5,296,192	03/22/1994	Carroll et al.	
		5,304,468	04/19/1994	Phillips et al.	
		5,306,623	04/26/1994	Kiser	
		5,311,426	05/10/1994	Donohue et al.	
		5,312,762	05/17/1994	Guisseppi-Elie	
		5,344,754	09/06/1994	Zweig	
		5,352,351	10/04/1994	White et al.	
		5,353,351	10/04/1994	Bartoli et al.	
		5,366,609	11/22/1994	White et al.	
		5,371,687	12/06/1994	Holmes, II et al.	
		5,376,254	12/27/1994	Fisher	
AW		5,379,214	01/03/1995	Arbuckle et al.	

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AW		EP 1 147 739 A2 .	10/24/2001	Essenpreis et al.		
		EP 1 152 239 A1	11/07/2001	Miyazaki et al.		
		EP 1 156 324 .	11/21/2001	Tokunaga et al.		
		EP 1 225 448	07/24/2002	McAleer et al.		
		EP 1 235 069 A1 .	08/28/2002	Nakaminami et		
		EP 1 256 798	11/13/2002	Miyazaki et al.		
		EP 1 275 732 .	01/15/2003	Charlton		
AW		EP 1 281 955	02/05/2003	Matsushita		

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		Number-Kind Code ² (if known)			
AW		5,385,846	01/31/1995	Kuhn et al.	
		5,389,215	02/14/1995	Horiuchi et al.	
		5,395,504	03/07/1995	Saurer et al.	
		5,405,511	04/11/1995	Brown et al.	
		5,411,647	05/02/1995	Johnson et al.	
		5,413,690	05/09/1995	Kost et al.	
		5,413,764	05/09/1995	Haar	
		5,418,142	05/23/1995	Kiser et al.	
		5,421,189	06/06/1995	Dussault	
		5,424,035	06/13/1995	Hones et al.	
		5,426,032	06/20/1995	Phillips et al.	
		5,437,772	08/01/1995	De Castro et al.	
		5,437,999	08/01/1995	Diebold et al.	
		5,438,271	08/01/1995	White et al.	
		5,439,826	08/08/1995	Kontorovich	
		5,445,967	08/29/1995	Deuter	
		5,447,837	09/05/1995	Urnovitz	
AW		5,453,360	09/26/1995	Yu	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
AW		EP 1 288 653 A1	03/05/2003	Roche		
		EP 1 308 720 A1	07/05/2003	Watanabe et al.		
		EP 1 312 919 A2	05/21/2003	Kermani		
		EP 1 316 367	06/04/2003	Dick et al.		
		EP 1 318 396 A1	06/11/2003	Hasegawa et al.		
		EP 1 324 025 A2	07/02/2003	Kermani		
		EP 1 324 038	07/02/2003	Dick et al.		
AW		EP 1 327 881	07/16/2003	Hodges et al.		

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AW		5,469,846	11/28/1995	Khan	
		5,470,533	11/28/1995	Shindo et al.	
		5,477,326	12/19/1995	Dosmann	
		5,489,414	02/06/1996	Schreiber et al.	
		5,494,638	02/27/1996	Gullick	
		5,500,350	03/19/1996	Baker et al.	
		5,504,011	04/02/1996	Gavin et al.	
		5,508,171	04/16/1996	Walling et al.	
		5,508,200	04/16/1996	Tiffany et al.	
		5,508,203	04/16/1996	Fuller et al.	
		5,509,410	04/23/1996	Hill et al.	
		5,515,170	05/07/1996	Matzinger	
		5,515,847	05/14/1996	Braig et al.	
		5,526,120	06/11/1996	Jina et al.	
		5,526,111	06/11/1996	Collins et al.	
		5,526,808	06/18/1996	Kaminsky	
		5,532,128	07/02/1996	Eggers et al.	
AW		5,552,116	09/03/1996	Yokota et al.	

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AW		EP 1 352 611 A1	10/15/2003	Griffith et al.		
		EP 1 352 969	10/15/2003	Ikeda et al.		
		EP 1 369 684	12/10/2003	Arkray, Inc.		
		EP 1 369 687	12/10/2003	Miyamoto et al.		
		EP 1 394 535	03/03/2004	Davies et al.		
		EP 1 413 879	04/28/2004	Arkray, Inc.		
		EP 1 431 758 A1	06/23/2004	Arkray, Inc.		
AW		GB 2 295 676	06/05/1996	McNaughtan		

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AW		5,554,531	09/10/1996	Zweig	
		5,556,789	09/17/1996	Goerlach-Graw et al	
		5,563,031	10/08/1996	Yu	
		5,563,042	10/08/1996	Phillips et al.	
		5,569,591	10/29/1996	Kell et al.	
		5,569,608	10/29/1996	Sommer	
		5,572,159	11/05/1996	McFarland	
		5,575,895	11/19/1996	Ikeda et al.	
		5,576,073	11/19/1996	Kickelhain	
		5,580,794	12/03/1996	Allen	
		5,582,697	12/10/1996	Ikeda et al.	
		5,593,390	01/14/1997	Castellano et al.	
		5,593,739	01/14/1997	Kickelhain	
		5,594,906	01/14/1997	Holmes, II et al.	
		5,597,532	01/28/1997	Connolly	
		5,604,110	02/18/1997	Baker et al.	
		5,605,662	02/25/1997	Heller et al.	
AW		5,605,837	02/25/1997	Karimi et al.	

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AW		GB 2 365 123	02/13/2002	Murdo		
		JP 91-59644	06/20/1997	Munakata		
		JP 93-312761	11/22/1993	Fukuda et al.		
		JP 01-291153	11/22/1989	Nankai et al.		
		JP 03-099254	04/24/1991	Ishihara		
		JP 04-121652	04/22/1992	Okuma		
		JP 08-262026	10/11/1996	Charlton et al.		
AW		JP 09-043242	02/14/1997	Nishimura		

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		Number-Kind Code ² (if known)			
AW		5,611,900	03/18/1997	Worden et al.	
		5,620,579	04/15/1997	Genshaw et al.	
		5,620,863	04/15/1997	Tomasco et al.	
		5,628,890	05/13/1997	Carter et al.	
		5,630,986	05/20/1997	Charlton et al.	
		5,635,362	06/03/1997	Levine et al.	
		5,635,364	06/03/1997	Clark et al.	
		5,639,671	06/17/1997	Bogart et al.	
		5,642,734	07/01/1997	Ruben et al.	
		5,645,798	07/08/1997	Schreiber et al.	
		5,650,061	07/22/1997	Kuhr et al.	
		5,650,062	07/22/1997	Ikeda et al.	
		5,653,863	08/05/1997	Genshaw et al.	
		5,654,178	08/05/1997	Fitzpatrick et al.	
		5,656,502	08/12/1997	MacKay et al.	
		5,658,443	08/19/1997	Yamamoto et al.	
		5,658,802	08/19/1997	Hayes et al.	
AW		5,665,215	09/09/1997	Bussmann et al.	

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AW		JP 10 332626	12/18/1998	NOK		
		JP 2000-19146	01/21/2000	Miyashita et al.		
		JP 2000 019147	01/21/2000	NOK		
		JP 63-111,453	05/16/1988	Nakajima et al.		
		JP 63-128,252	05/31/1988	Kawaguri et al.		
		RU 2180514	03/20/2002	Shmelev et al.		
		WO 81/01794	07/09/1981	Ash et al.		
AW		WO 83/00926	03/17/1983	Clark		

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AW		5,670,031	09/23/1997	Hintsche et al.	
		5,682,884	11/04/1997	Hill et al.	
		5,686,659	11/11/1997	Neel et al.	
		5,691,486	11/25/1997	Behringer et al.	
		5,691,633	11/25/1997	Liu et al.	
		5,695,623	12/09/1997	Michel et al.	
		5,698,083	12/16/1997	Glass	
		5,700,695	12/23/1997	Yassinzadeh et al.	
		5,708,247	01/13/1998	McAleer et al.	
		5,710,622	01/20/1998	Neel et al.	
		5,719,667	02/17/1998	Miers	
		5,720,862	02/24/1998	Hamamoto et al.	
		5,723,284	03/03/1998	Ye	
		5,727,548	03/17/1998	Hill et al.	
		5,728,074	03/17/1998	Castellano et al.	
		5,745,308	04/28/1998	Spangenberg	
		5,757,666	05/26/1998	Schreiber et al.	
AW		5,759,794	06/02/1998	Levine et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
AW		WO 86/07632	12/31/1986	Nankai et al.		
		WO 89/08713	09/21/1989	Pottgenca		
		WO 89/09397	10/05/1989	Nankai et al.		
		WO 90/05293	05/17/1990	Michel		
		WO 92/01928	02/06/1992	Cozzette et al.		
		WO 92/07655	05/14/1992	Cox et al.		
		WO 92/15859	09/17/1992	Adrian et al.		
AW		WO 92/15861	09/17/1992	Grant et al.		

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				Application Number	10/687,850
				Filing Date	October 17, 2003
				First Named Inventor	David W. Burke
				Group Art Unit	3736
				Examiner Name	
Sheet	15	of	38	Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AW		5,762,770	06/09/1998	Pritchard et al.	
		5,776,710	07/07/1998	Levine et al.	
		5,780,304	07/14/1998	Matzinger et al.	
		5,786,584	07/28/1998	Button et al.	
		5,788,833	08/04/1998	Lewis et al.	
		5,789,255	08/04/1998	Yu	
		5,792,668	08/11/1998	Deamer et al.	
		5,798,031	08/25/1998	Charlton et al.	
		5,801,057	09/01/1998	Smart et al.	
		5,820,551	10/13/1998	Hill et al.	
		5,820,622	10/13/1998	Gross et al.	
		5,832,921	11/10/1998	Lennert et al.	
		5,834,217	11/10/1998	Levine et al.	
		5,837,546	11/17/1998	Allen et al.	
		5,843,691	12/01/1998	Douglas et al.	
		5,843,692	12/01/1998	Phillips et al.	
		5,846,744	12/08/1998	Athey et al.	
AW		5,849,174	12/15/1998	Sanghera et al.	

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AW		WO 92/15950	09/17/1992	Arbuckle et al.		
		WO 92/22669	12/23/1992	Gullick		
		WO 93/09433	05/13/1993	Gharib		
		WO 94/12950	06/09/1994	Holmes et al.		
		WO 94/16095	07/21/1994	Zweig		
		WO 94/23295	10/13/1994	McAleer et al.		
		WO 94/28414	12/08/1994	Athey et al.		
AW		WO 94/29705	12/22/1994	White et al.		

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AW		5,856,195	01/05/1999	Charlton et al.	
		5,873,990	02/23/1999	Wojciechowski et al.	
		5,883,378	03/16/1999	Irish et al.	
		5,885,839	03/23/1999	Lingane et al.	
		5,890,489	04/06/1999	Elden	
		5,904,898	05/18/1999	Markart	
		5,911,872	06/15/1999	Lewis et al.	
		5,916,156	06/29/1999	Hildenbrand et al.	
		5,921,925	07/13/1999	Cartmell et al.	
		5,922,530	07/13/1999	Yu	
		5,922,591	07/13/1999	Anderson et al.	
		5,925,021	07/20/1999	Castellano et al.	
		5,945,341	08/31/1999	Howard, III	
		5,948,289	09/07/1999	Noda et al.	
		5,951,836	09/14/1999	McAleer et al.	
		5,965,380	10/12/1999	Heller	
		5,968,760	10/19/1999	Phillips et al.	
AW		5,971,923	10/26/1999	Finger	

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AW		WO 95/03542	02/02/1995	Scott et al.		
		WO 95/06919	03/09/1995	Collins et al.		
		WO 95/07050	03/16/1995	Lennert et al.		
		WO 95/22597	08/24/1995	Diebold et al.		
		WO 96/04398	02/15/1996	Sanghera et al.		
		WO 96/07908	03/14/1996	Matzinger et al.		
		WO 96/13707	05/09/1996	Connolly		
AW		WO 96/15454	05/23/1996	Braach-		

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				Group Art Unit	3736
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AW		5,989,917	11/23/1999	McAleer et al.	
		5,997,817	12/07/1999	Crismore et al.	
		6,004,441	12/21/1999	Fujiwara et al.	
		6,013,170	01/11/2000	Meade	
		6,042,714	03/28/2000	Lin et al.	
		6,044,285	03/28/2000	Chaiken et al.	
		6,045,567	04/04/2000	Taylor et al.	
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		6,087,182	07/11/2000	Jeng et al.	
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		6,102,872	08/15/2000	Doneen et al.	
		6,103,033	08/15/2000	Say et al.	
		6,120,676	09/19/2000	Heller et al.	
		6,121,009	09/19/2000	Heller et al.	
		6,121,050	09/19/2000	Han	
		6,126,609	10/03/2000	Keith et al.	
AW		6,128,519	10/03/2000	Say	

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AW		WO 96/33403	10/24/1996	Higson		
		WO 97/00441	01/03/1997	Hodges et al.		
		WO 97/02487	01/23/1997	Pritchard et al.		
		WO 97/08544	03/06/1997	Wojciechowski		
		WO 97/16726	05/09/1997	Sullivan		
		WO 97/18465	05/22/1997	Hodges et al.		
		WO 97/29366	08/14/1997	Braach-		
AW		WO 97/29847	08/21/1997	McAleer et al.		

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Sheet	18	of	38	Application Number	10/687,850
				Filing Date	October 17, 2003
				First Named Inventor	David W. Burke
				Group Art Unit	3736
				Examiner Name	
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AW		6,129,823	10/10/2000	Hughes et al.	
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AW		6,168,957	01/02/2001	Matzinger et al.	

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AW		WO 97/30344	08/21/1997	McAleer et al.		
		WO 97/39341	10/29/1997	Fuller et al.		
		WO 97/39343	10/23/1997	Garnham et al.		
		WO 97/42882	11/20/1997	Douglas et al.		
		WO 97/42888	11/20/1997	Douglas et al.		
		WO 97/45719	12/04/1997	Kessler		
		WO 98/05424	02/12/1998	Chow		
AW		WO 98/19153	05/07/1998	Vadgama et al.		

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			Group Art Unit	3736	
			Examiner Name		
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AW		6,170,318	01/09/2001	Lewis	
		6,174,420	01/16/2001	Hodges et al.	
		6,175,752	01/16/2001	Say et al.	
		6,176,988	01/23/2001	Kessler	
		6,179,979	01/30/2001	Hodges et al.	
		6,180,062	01/30/2001	Naka et al.	
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		6,193,873	02/27/2001	Ohara et al.	
		6,197,040	03/06/2001	LeVaughn et al.	
		6,200,773	03/13/2001	Ouyang et al.	
		6,201,607	03/13/2001	Roth et al.	
		6,203,952	03/20/2001	O'Brien et al.	
		6,206,282	03/27/2001	Hayes, Sr. et al.	
		6,206,292	03/27/2001	Robertz et al.	
		6,218,571	04/17/2001	Zheng et al.	
		6,225,078	05/01/2001	Ikeda et al.	
		6,226,081	05/01/2001	Fantone et al.	
AW		6,241,862	06/05/2001	McAleer et al.	

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AW		WO 98/19159	05/07/1998	Douglas et al.		
		WO 98/29740	07/09/1998	Clerc et al.		
		WO 98/35225	08/13/1998	Heller et al.		
		WO 98/55853	12/10/1998	Altin et al.		
		WO 98/57159	12/17/1998	O'Conner et al.		
		WO 99/05516	04/02/1999	Kawanaka et al.		
		WO 99/05966	02/11/1999	Alton et al.		
AW		WO 99/09404	02/25/1999	Maxwell et al.		

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Application Number 10/687,850

Filing Date October 17, 2003

First Named Inventor David W. Burke

Group Art Unit 3736

Examiner Name

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		6,246,966	06/12/2001	Perry	
		6,251,260	06/26/2001	Heller et al.	
		2001 0006149	07/05/2001	Taniike et al.	
		2001 0006150	07/05/2001	Taniike et al.	
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		6,258,254	07/10/2001	Miyamoto et al.	
		6,259,937	07/10/2001	Schulman et al.	
		6,261,519	07/17/2001	Harding et al.	
		6,262,749	07/17/2001	Finger et al.	
		6,268,162	07/31/2001	Phillips et al.	
		6,270,637	08/07/2001	Crismore et al.	
		6,271,044	08/07/2001	Ballerstadt et al.	
		6,272,364	08/07/2001	Kumik	
		6,277,641	08/21/2001	Yager	
		6,281,006	08/28/2001	Heller et al.	
		2001 0017269	08/30/2001	Heller et al.	
AW		6,284,125	09/04/2001	Hodges et al.	

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AW		WO 99/12008	03/11/1999	Zweig et al.		
		WO 99/12021	03/11/1999	Han		
		WO 99/13099	03/18/1999	Hughes et al.		
		WO 99/13100	03/18/1999	Forrow et al.		
		WO 99/22236	05/06/1999	Heinonen et al.		
		WO 99/23479	05/14/1999	Weitman et al.		
		WO 99/29230	06/17/1999	Bonnecaze et		
AW		WO 99/30152	06/17/1999	Crismore et al.		

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		2001 0019831	09/06/2001	Phillips et al.	
		6,287,451	09/11/2001	Winarta et al.	
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		6,287,875	09/11/2001	Geisberg	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ² -Kind Code ³ (if known)				
AW		WO 99/32881	07/01/1999	Beaty et al.		
		WO 99/39627	08/12/1999	Elden et al.		
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		WO 99/59464	11/25/1999	Khalil et al.		
AW		WO 99/60383	11/25/1999	Szmacinski		

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Sheet 22 of 38

Application Number	10/687,850
Filing Date	October 17, 2003
First Named Inventor	David W. Burke
Group Art Unit	3736
Examiner Name	
Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AW		6,325,917	12/04/2001	Maxwell et al.	
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AW		WO 99/64620	12/16/1999	Wong et al.		
		WO 00/09996	02/24/2000	Fuller et al.		
		WO 00/10007	02/24/2000	Arnold et al.		
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		WO 00/26638	05/11/2000	Lewis		
		WO 00/28068	05/18/2000	Yon Hin et al.		
		WO 00/33072	06/08/2000	Deweese et al.		
AW		WO 00/33074	06/08/2000	Lewis et al.		

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			Application Number	10/687,850	
			Filing Date	October 17, 2003	
			First Named Inventor	David W. Burke	
			Group Art Unit	3736	
Examiner Name					
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AW		2002 0029058	03/07/2002	LeVaughn et al.	
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AW		WO 00/42422	07/20/2000	McAleer et al.		
		WO 00/45160	08/03/2000	Hefti et al.		
		WO 00/54047	09/14/2000	Allen et al.		
		WO 00/57177	09/28/2000	Aronowitz et al.		
		WO 00/60340	10/12/2000	Ryu et al.		
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		WO 00/73778	12/07/2000	Winarta et al.		
AW		WO 00/73785 A2	12/07/2000	Winarta et al.		

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U.S. PATENT DOCUMENTS

Examiner Initials ^a	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AW		2002 0081588	06/27/2002	De Lumley-woodyear et al.	
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		Country Code ³ -Number ² -Kind Code ² (if known)				
AW		WO 00/78917 A1	12/28/2000	Lea		
		WO 00/078992	12/28/2000	Say et al.		
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AW		WO 01/28423	04/26/2001	LeVaughn et al.		

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				Application Number	10/687,850
				Filing Date	October 17, 2003
				First Named Inventor	David W. Burke
				Group Art Unit	3736
Examiner Name					
Sheet	25	of	38	Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AW		2002 0130043	09/19/2002	Hodges et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
AW		WO 01/30915	05/03/2001	Zheng et al.		
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AW		WO 01/57238	08/09/2001	Yu et al.		

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			First Named Inventor	David W. Burke	
			Group Art Unit	3736	
			Examiner Name		
Sheet	26	of	38	Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS					
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AW		WO 01/57239	08/09/2001	Yani et al.		
		WO 01/57510	08/09/2001	Ohara et al.		
		WO 01/64105	09/07/2001	Moerman et al.		
		WO 01/67099 A1	09/13/2001	Davies et al.		
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		WO 01/72220	10/04/2001	Hodges et al.		
AW		WO 01/73109	10/04/2001	Davies et al.		

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AW		2002 0189941	12/19/2002	Katsuki et al.	
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AW		2003 0042150	03/06/2003	Ryu et al.	

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AW		WO 01/73114	10/04/2001	Ouyang		
		WO 01/73124	10/04/2001	Davies et al.		
		WO 01/73395	10/04/2001	Hodges		
		WO 01/73420 A1	04/10/2001	Tokuno et al.		
		WO 01/74242	10/11/2001	Shartle		
		WO 01/75433	10/11/2001	Shartle		
		WO 01/75438 A2	10/11/2001	Shartle et al.		
AW		WO 01/84133 A1	11/08/2001	Miyazaki et al.		

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				Examiner Name	
				Attorney Docket Number	7404-558

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AW		6,531,239	03/11/2003	Heller	
		6,531,322	03/11/2003	Jurik et al.	
		2003 0054427	03/20/2003	Phillips et al.	
		6,538,735	03/25/2003	Duebendorfer et al.	
		6,540,890	04/01/2003	Bhullar et al.	
		6,540,891	04/01/2003	Stewart et al.	
		6,541,266	04/01/2003	Modzelewski et al.	
		2003 0064525	04/03/2003	Liess	
		6,544,474	04/08/2003	Douglas	
		6,549,796	04/15/2003	Sohrab	
		2003 0073151	04/17/2003	Phillips et al.	
		2003 0073152	04/17/2003	Phillips et al.	
		2003 0073153	04/17/2003	Phillips et al.	
		6,551,494	04/22/2003	Heller et al.	
		6,555,061	04/29/2003	Leong et al.	
		2003 0079987	05/01/2003	Hodges et al.	
		2003 0080001	05/01/2003	Hodges et al.	
AW		6,558,528	05/06/2003	Matzinger	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
AW		WO 01/84142	11/08/2001	Eden et al.		
		WO 01/88524	11/22/2001	Heller et al.		
		WO 01/92857	12/06/2001	Debreczeny et		
		WO 01/95806	12/20/2001	Moerman		
		WO 01/96596	12/20/2001	Guo et al.		
		WO 02/00112 A2	01/03/2002	Cohen et al.		
		WO 02/054055 A1	07/11/2002	Jin et al.		
AW		WO 02/057767 A1	07/25/2002	Watanabe et al.		

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			<i>Complete if Known</i>		
			Application Number	10/687,850	
			Filing Date	October 17, 2003	
			First Named Inventor	David W. Burke	
			Group Art Unit	3736	
Examiner Name					
Attorney Docket Number	7404-558				
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AW		6,560,471	05/06/2003	Heller et al.	
		2003 0088166	05/08/2003	Say et al.	
		6,562,625	05/13/2003	Modzelewski et al.	
		6,565,509	05/20/2003	Say et al.	
		6,565,738	05/20/2003	Henning et al.	
		2003 0094383	05/22/2003	Kermani	
		6,570,390	05/27/2003	Hirayama et al.	
		2003 0098233	05/29/2003	Kermani et al.	
		2003 0098234	05/29/2003	Hasegawa et al.	
		2003 0100030	05/29/2003	Nadaoka et al.	
		2003 0100040	05/29/2003	Bonnecaze et al.	
		2003 0100821	05/29/2003	Heller et al.	
		6,571,651	06/03/2003	Hodges	
		6,572,822	06/03/2003	Jurik et al.	
		6,574,425	06/03/2003	Weiss et al.	
		2003 0102213	06/05/2003	Gotoh et al.	
		6,576,101	06/10/2003	Heller et al.	
AW		6,576,117	06/10/2003	Iketaki et al.	

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AW		WO 02/057768 A .	07/25/2002	Iketaki Kazuo		
		WO 02/057781	07/25/2002	Khan et al.		
		WO 02/058537 .	08/01/2002	Heller et al.		
		WO 02/06822	01/24/2002	Ratcliffe et al.		
		WO 02/062212 .	08/15/2002	Moerman et al.		
		WO 02/067768	09/06/2002	Paolini et al.		
		WO 02/070734 A1 .	09/12/2002	Modzelewski et		
AW		WO 02/071044	09/12/2002	Modzelewski et		

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		Number-Kind Code ² (if known)			
AW		6,576,416	06/10/2003	Haviland et al.	
		6,576,461	06/10/2003	Heller et al.	
		2003 0106809	06/12/2003	Kermani et al.	
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		2003 0143116	07/31/2003	Zheng et al.	
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AW		6,605,200	08/12/2003	Mao et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
AW		WO 02/078512 A2	10/10/2002	Drucker et al.		
		WO 02/078533	10/10/2002	Moerman et al.		
		WO 02/08750	01/31/2002	Black		
		WO 02/08753 A2	01/31/2002	Woodhead et al.		
		WO 02/086483	10/31/2002	Tokunaga et al.		
		WO 02/093152	11/21/2002	Heller		
		WO 02/095355	11/28/2002	Heller		
AW		WO 02/097418	12/05/2002	Taniike et al.		

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AW		6,605,201	08/12/2003	Mao et al.	
		2003 0150724	08/14/2003	Kawanaka et al.	
		2003 0152823	08/14/2003	Heller	
		6,607,658	08/19/2003	Heller et al.	
		2003 0155237	08/21/2003	Surridge et al.	
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		2003 0164293	09/04/2003	Hodges et al.	
		6,616,819	09/09/2003	Liamos et al.	
		2003 0167862	09/11/2003	Hodges	
		2003 0168338	09/11/2003	Gao et al.	
		6,618,934	09/16/2003	Feldman et al.	
		2003 0175841	09/18/2003	Watanabe et al.	
		2003 0175946	09/18/2003	Tokunaga et al.	
		2003 0176183	09/18/2003	Drucker et al.	
		6,623,501	09/23/2003	Heller et al.	
AW		2003 0178322	09/25/2003	Iyengar et al.	

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AW		WO 02/18053 A1	03/07/2002	Churchill et al.		
		WO 02/10728	02/07/2002	Pan et al.		
		WO 02/13966	02/21/2002	House et al.		
		WO 02/13970	02/21/2002	House et al.		
		WO 02/14535	02/21/2002	Yon-Hin et al.		
		WO 02/22855	03/21/2002	Ouyang et al.		
		WO 02/32559	04/25/2002	Stiene et al.		
AW		WO 02/48707	06/20/2002	Ohara et al.		

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AW		2003 0179440	09/25/2003	Tokunaga et al.	
		2003 0180183	09/25/2003	Fukuoka et al.	
		6,627,057	09/30/2003	Bhullar et al.	
		2003 0187338	10/02/2003	Say et al.	
		2003 0188427	10/09/2003	Say et al.	
		2003 0190069	10/09/2003	Nikitin et al.	
		6,632,349	10/14/2003	Hodges et al.	
		2003 0199744	10/23/2003	Buse et al.	
		2003 0199893	10/23/2003	Boecker et al.	
		6,638,415	10/28/2003	Hodges et al.	
		6,638,716	10/28/2003	Heller et al.	
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		2003 0203498	10/30/2003	Neel et al.	
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		6,645,359	11/11/2003	Bhullar et al.	
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AW		6,656,702	12/02/2003	Yugawa et al.	

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AW		WO 02/49507	06/27/2002	Stiene et al.		
		WO 02/50609	06/27/2002	Matzinger		
		WO 02/103343 A1	12/27/2002	Nakaminami et		
		WO 03/005015	01/16/2003	Bae et al.		
		WO 03/012422	02/13/2003	Cai et al.		
		WO 03/014740 A1	02/20/2003	Nadaoka et al.		
		WO 03/014741 A1	02/20/2003	Takahashi et al.		
AW		WO 03/015627	02/27/2003	Moerman et al.		

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Complete if Known

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First Named Inventor	David W. Burke
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		Country Code* - Number* - Kind Code* (if known)				
AW		WO 03/015629	02/27/2003	Moerman et al.		
		WO 03/021706 A1	03/13/2003	Higuchi et al.		
		WO 03/025257	03/27/2003	Heller et al.		
		WO 03/029804	04/10/2003	Arkray		
		WO 03/032411	04/17/2003	Hodges		
		WO 03/039483 A2	05/15/2003	Cranley et al.		
		WO 03/042679 A1	05/22/2003	Hasegawa et al.		
		WO 03/042680 A1	05/22/2003	Hasegawa et al.		
AW		WO 03/044513	05/30/2003	Morita et al.		

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AW		WO 03/048756 A1	06/12/2003	Yamamoto et		
		WO 03/060154 A2	07/24/2003	Iyengar et al.		
		WO 03/067252	08/14/2003	Karinka et al.		
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		WO 03/083469	10/09/2003	Griffith et al.		
		WO 03/085372	10/16/2003	Mao et al.		
		WO 03/091717	11/06/2003	Neel et al.		
		WO 04/005908	01/15/2004	Ueno et al.		
AW						

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AW		Aoki et al., "Quantitative Analysis Of Reversible Diffusion Controlled Currents of Redox Soluble Species At Interdigitated Array Electrodes Under Steady-State Conditions", J. Electroanal. Chem. 256 (1988) 269-282	
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		Application Number	10/687,850		
		Filing Date	October 17, 2003		
		First Named Inventor	David W. Burke		
		Group Art Unit	3736		
Examiner Name					
Sheet	36	of	38	Attorney Docket Number	7404-558

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
AW		Koichi, "Measurements of Current-Potential Curves, 6, Cottrell Equation and its Analogs. What Can We Known from Chronoamperometry?" Denki Kagaku ovopi Kogyo Butsuri Kagaku, Vol. 54, no. 6, pp. 471-5 (1986)	
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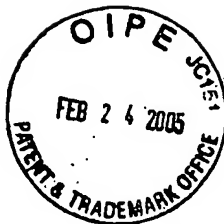
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AW		Myland et al., "Membrane-Covered Oxygen Sensors: An Exact Treatment of the Switch-on Transient," Journal of the Electrochemical Society, Vol. 131, pp. 1815-1823 (Aug. 1984)	
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				Attorney Docket Number	7404-558

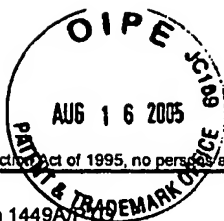
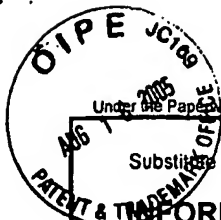
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AW		http://216.239.41.104/search?q=cache:oNNpSzoOXvgJ:www.future-fab.com , "Introduction", Future Fab International, Montgomery Research, Inc., pp. 1-10, (January 2004)	
		http://216.239.41.104/search?q=cache:bEmigilMhtUJ:www.coe.uncc.edu , "LER", NDUBUISI GEORGE ORJI, pp. 1-3 (January 2004)	
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		http://www.ifm.liu.se/App1phys/ftir/sams.html , "Self-Assembled Monolayers", pp. 1-5 (January 2004)	
		http://www.tamsci.com/library/news-05-DECEMBER-2002.html , "Patterning Thin Film Circuits at the Speed of Light", Press Release, pp. 1-2 (November 2003)	
AW		http://www.zurich.ibm.com/~bmi/samtech.html , "Technological Application of Self-Assembled Monolayers", pp. 1-2 (January 2004)	

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				Art Unit	3736
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AW		US- 5,112,455	05-12-1992	Cozzette et al.	
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